```
(1) GENERAL INFORMATION:
      (i) APPLICANT: Kim, Seurg 2
 (ii) TITLE OF INTENTION: Immortalized numan microglia
       meli and ontinious cell line
 (III) NUMBER OF LEQUELIES: $4
      (iv) O PRESENDENCE ADDRESS:
             A) ADDRESCHE: David Prashker, Esq.
             H) TREET: P.D. Box 5387
            - D *ITY: Hagn dia
             ED HOUNTEY: UNA
             (v) COMPUTER READABLE FORM:
            .A: MENIUM TYPE: Itskette, 3.50 inch, 1.40 Mb storage
            'F: 'MEUTEF: lell IC
            CO CHERATICS CYSTEM: MS DOS
            ·D) COFIWARE: Microsoft Word version 97
      (vi) CUFFENT APPLICATION DATA:
            A: APPLICATION NUMBER: 09 887,145
            THE FILING LATE: June 32, 1001
            WE THASSIFICATION: Unknown
      (vill APTHEMEY GRENT INFORMATION:
            .At NAME: David Trascher, Esq.
            -F: RECIDIFATION NUMBER: 23,693
            FEFERENCE, DOCKET NUMBER: UBC-002
      (1x) TELECAMMUNICATION INFORMATION:
            A: TELEPHONE: :97 ) 525-3794
(2) INFORMATION FOR SECTION 1:1:
      (i) SECTENTE CHAPACTERISTICS:
            A LENGTH: It base pairs
             b' TYFE: mudleic acid
            er OffAnnelness: single
             : The Morr: linear
      (ii MCIECULE TYPE: pertudo
      (xi: SE,JENGE IESCHIFTION: SEQ ID NO:1:
AGATTOGAGT CATGTACACA ACTOA
                                                                 25
(2) INFORMATION FOR SEP II NO.2:
      (i) SEQUENCE CHARACTERESTICS:
            OA LENGIH: 10 kast pairs
            Ob TYPE: no leic acid
            ) of ATEAN EINESS: single
           (D) T HOLGET: linear
      (ii) MELECULE TYPE: peptide
      (xi) SE. WENCE CAS WHITHEN: SEQ II NO:2:
GGTGCTTGGA GA.JTC FAN.
                                                                 20
(2) INFORMATION ME SEE, ID NOTE:
      (1) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: .3 pase pairs
           (b) TYFE: narleic acii
            (1) STFANIFICHESS: single
           (D) ToFOLCOV: linear
      (ii) MCLECULE TYLE: pertide
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(xi) SEQUENCE DENTHIBITION: SEQ ID NO:3:

TGTGGTGTAC CODGTDAAGI COC	23
(Z) INFORMATION FOR SECTION MO:4:  (i) SF. MENOF CHARACTERISTICS:  (ii) LENGTH: 24 base pairs  (b) TWE: nucle.c acid  () CHANDFONESM: single  (b) T : DL UY: linear  (ii) M DECULE TYPE: poptide  (mi) SEQUENTE DECORPTION: SEQ ID NO:4:	
ATCCGTAACA G MCAGAATO AGCA	.24
(2) INFORMATION FOR SEQ ID NO.5:  (L) SEQUENCE CHARACTERISTICS:  (A) LENGTH: OB base pairs  (B) TYPE: number acid  (C) STRANTEDNESS: single  (D) TOF HOUST: linear  (Li. MOIECULE TITE: poptide  (HI SEQUENCE DESCRIPTION: SEQ ID NO.5:	
CCAGGCC 100 GT NCTCTART TTG	.:3
(2) INFORMATION FOR CEQ ID NO:6:  (1) SECTENCE CHARACTERISTICS:  (A) LEPOTH: 14 base pairs  12	
CATGTTGATG GTOTTGAGGG TOTG	.14
(2) INFORMATION FOR CEQ ID NO.T:  (1) SEQUENCE CHARACTERISTICS:  (A) DENSTH: .0 base pairs  (B) TYPE: nutleid adid  (C) STRANHEDNESS: single  (E) TORILOST: linear  (II MOLECULE TYPE: peptide  (MI CEQUENCE LESCRIPTIOM: SEQ ID NC:7:	
TTCTACCCA ATGACTTGIG	20
(2) INFORMATION FOR SEQ 1D NO.8:  (i) SECUENCE CHARACTERISTICS:  (i) A) LENGTH: IC hase pairs  (i) TYPE: sucleic acid  (i) STRANIEDMESS: single  (i) TORRICSY: linear  (ii MOLECULE TYPE: peptide  (xi, SELUENCE DESCRIPTION: SEQ ID NO.8:	
ATGTAGTAAG GCAGCCAACA	00

(2) INFORMATION FOR SEQ ID NO:9:  (1) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (E) TYPE: nucleic acid  (C) STHANDEDMESS: single  (C) TOPOLOGY: linear  (ii) MCIECULE TYPE: peptide (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:	
ACCATGGCTC TCTGCAACCA	20
(0) INFORMATION FOR SEQ ID NO:10:  (1) SEQUENCE CHARACTERISTICS:  (A: LEMSTH: .C base pairs  (B: TYPE: nucleic acid  (C: CTRANDELMESS: single  (C) TOPOLOGY: linear  (H: MOLECULE TYPE: peptide  (H: SEQUENCE DESCRIPTION: SEQ ID NO:10:	
TTAAGAAGAG TCCCACHCIG	20
(2) INFORMATION FOR CEQ ID NO:11:  (1) SEQUENCE CHARACTERISTICS:  (A) MEMOTH: 10 hase pairs  (B) TYPE: nucleic acid  (C) OTPANSEDNESS: single  (D) TOPOLOGY: linear  (i) MOLECULE TYPE: peptide  (m) SEQUENCE IFSCRIFTION: SEQ ID NO:11:	
COTGOTGOTO TOTOTOAPARO	20
(2) INFORMATION FOR SEQ IE MO:12:  (t) SEQUENCE CHARACTERISTICS:  (A) LENGTH: U1 hase pairs  (B) TYPE: nucleic acid  (C) STRANDEDUESS: single  (D) TOECLOSY: linear  (ii) MOLECUME TYPE: pertide  (xi SEQUENCE DESCRIPTION: SEQ ID NO:12:	
CACCTAATA J AATAA JACGG G	.21
(2) INFORMATION FOR SEQ ID NO:13:  (1) SEQUENCE CHARACTERISTICS:  (A) LENGTH: UC base pairs  (E) TYPE: nucleic acid  (C) STPANDEDNESS: single  (C) MOLECULE TYPE: peptide  (Hi SEQUENCE DESCRIPTION: SEQ ID NO:13:	
ATAGCAG DCA CCITCATTCI	20
(2) INFORMATION FUR SEQ ID NO:14:	

(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDMESS: single  (D) TOHOLOGY: linear  (ii) MODECULE TYPE: peptide  (Mi) SEQUENCE DESCRIPTION: SEQ ID NO:14:	
TTCCCCAAGT ON TGTATOT	20
(2) INFORMATION FOR SEQ ID NO:15:  (L) SEQUENCE CHARACTERISTICS:  A) LENGTH: NO base pairs  (E) TYPE: nuclead adid  (C) STRANGEOMESC: single  (D) TOPOLOGY: linear  (FI MOLECULE TYPE: poptide  (MI SEQUENCE DESCRIPTION: SEQ ID NO:15:	
AAAAGCTTGG TRATGTTTGG	20
(2) INFORMATION FOR SEQ ID MO:16:  (A) DENOTH: 10 hase pairs  (B) TYPE: nucleid acid  (I) STRANSEDUESC: single  (I) TOFOLOGY: linear  (i) MOLECULE TYPE: peptide  (xi SE, UEDGE DESCRIPTION: SEQ ID NO:16:	
TUTCAACACG CARGACAGG	19
(2) INFORMATION PUR SET ID MO:17:  (1) SE_TENCE CHARACTERISTICS:  (A) LENGTH: .C hase pairs  (B) TYPE: numbers abid  (C) TYPE: number abid  (D) TOFOLOGY: linear  (ii. MOLECULE TYPE: peptide  (xi. SEQUENCE DESCRIPTION: SEQ ID NO:17:	
AUGGTTGUIG TUTCATUAGC	20
(2) INFORMATION FOR SEQ II NO.18:  (.) SEQUENCE THARACTERISTICS:  A) LENGTH: LC base pairs  E) TYPE: nucleic acid (C) STRANTEINESS: single (E) TOFOLOGY: linear (.i MCLECULE TYPE: peptide (x) SEQUENCE DESCRIPTION: SEQ ID NO.18:	
CTGGAGCAIT TACTGCTGGA	20
(2) INFORMATION FOR SEQ II NI:10: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs	

B) TYPE: nucleic acid  C) STRANDEDNESS: single  D: TOIOL GY: linear  (ii) M LECULE TYPE: peptide  (::i) SEQUENCE DESCRIPTION: SEQ ID NO:19:	
ATGAGGCUCC T COCCICT G	21
(2) INFORMATION FOR SECTION NO.20:  (U) SELUENCE CHARACTERISTICS:  (A) LENGTH: 03 base pairs  (B) TYPE: hidlers acid  (C) STRANLEDUESS: single  (D) TOROLOGY: linear  (EL, MYLECULE TYPE: populde  (EL, SEQUENCE DES MIPTION: SECTION NO.20:	
AAGATOGOGA G FOTGAMAGT OUTOT GTTG	29
(2) INFORMATION FOR SEQ ID NO.21:  (1) SEQUENCE CHARACTERISTICS:  (A) LENGTH: (C base pairs  (F: TYPE: nucleic acid  (C) STRANDEINESC: single  (L) TOFOLOGY: linear  (iii MOLECULE TYPE: poptide  (wil SEQUENCE DESCRIPTION: SEQ ID NO.21:	
GACACAA FTG FRACIATIONIC	20
(2) INFORMATION FOR SEQ II NO:02:  (1) SEQUENCE CHARACTERISTICS:  (A) DENOTH: DC beast pairs  (B) TYPE: hubbels add  (C) CTPANDEDNESS: dingle  (D, TOPOLOUS: linear  (:i) NOIECULE TYPE: poptide  (wi) CEQUENCE DESCRIPTION: SEQ ID NO:22:	
AAGTTTTOCA ACSTACTOTG	20
(ii) INFORMATION FOR SEQ IF NO:13:  (i) SEQUENCE CHARACTERISTICS:  (A) IENSTH: DE base pairs  (B) TYPE: nucleic acid  (E) STRANLELWESS: wingle  (I TOFOLICHY: linear  (II) NOIECULE TYPE: poptude  (XI) CEQUENCE ELOCALPTION: SEQ ID NO:23:	
GAGGATGCTT CT CATTTGA CTTTG	25
(2) INFORMATION FOR SECTIONO:::4:  (i) SECTENCE CHARACTERISTICS:  A) LENGTH: 28 hase pairs  B) TYPE: moderc acid  (D) STRANDEDNESS: single	

(D) TIFDIDGY: linear (H) MOLECULE TYPE: peptide (H) DEQUENT LESCRIPTION: DEQ ID NO:24:	
GTCAATGTAT ISTTTATTA AGGACAAG	28
(2) INFORMATION FOR SECTION NO. 25:  (i) SECUENCE CHARACTERISTICS:  AND IFFICITE: 21 page pairs  BY IVEE: nuclear sold  CHARACTERIST: single  DOING FOL SY: linear  (ii) MALECULE TYPE: populae  (xi) SEQUENCE DESCRIPTION: SEQ ID NO. 25:	
GTGTGAAAGC ARTAAARRA NG C	21
(2) INFORMATION FOR SEW ID MO:26:  (i) SEQUENCE CHAPACTERICTICS:  (A) LEMOTH: All same pairs  (F) TYPE: nuble: sacid  (A) SIRANTEDNESS: single  (D) TORTIONY: linear  (11) MOLECULE TYPE: populde  (M1) SEQUENTE DESCRIPTION: SEQ ID NO:26:	
CTGGAGGTAC TOTAGGTATA C	21
(2) INFORMATION FOR SEQ ID INCIDE:  (1) SEQUENCE CHARACTERICTICS:  (A) LEDGTH: 10 have pairs  (B) TYPE: nucleic acid  (C) STRANDEDUESC: single  (C) TOR-LOSY: linear  (ii) MOLECULE TYPE: populde  (xi) SEQUENCE DECCRIPTION: BEQ ID NO:27:	
TGTTGAACTG CACIGOCCAS	20
(2) INFORMATION FOR SEQ ID NOTE: 3:  (i) SEQUENCE THARACTERISTICS:  (A) LENGTH: 10 have pairs  (b) TYPE: number would  (T) OTHANDEDUESO: wingle  (I) THAT LUFY: linwar  (Li MOLECULE TYPE: perfile  (xi) SECUENTE ERSCRIPTION: SEC ID NOTE: 28:	
GCAACTGATA CUTTACATUS	2.0
(2) INFORMATION FOR SET ID 100:09:  (i) SELUENCE THARACTERICTICS:  A) LEUSTH: L1 have pairs  P: TYPE: nucleic scid  O: STRANDEDNESS: Lingle  (b) TOFILOGY: linear  (ii) MOLECULE TYPE: peptide	

(xi) SFQUENCE DESCRIPTION: SEQ 15 No:29:	
ATMACTECCA A CIGCOCGI G	×1
(2) INFORMATION FOR SEQ ID NO:30:  (1) SE,UENCE CHARACTERISTICS:  A) LENGTH: 35 base pairs  B) IVFE: nucleuc acid  c) STRANDEDNESS: single  D- TOPOLOGY: linear  (Li M DECULE TYPE: peptide  (xi SF,UEN ME DECURIPTION: SEQ ID NO:30:	
TATGAATTOR SWOJDDISTT MAAAA	.25
(2) INFORMATION FOR SEQ ID NO.31:  (1) SEQUENCE CHARACTERISTICS:  (A) DEMOTE: JO base pairs  (B) TYPE: nucleic acid  (C) STEANCEDNESS: single  (C) TOFOLOGY: linear  (Li II DECURE TYPE: peptide  (Mi DEQUENCE DECEMPTION: SEQ ID NO.31:	
AFGCTTONS : ONWESSTORM	::0
(2) INFORMATION FOR SEQ ID NO:32:  (1) SECUENCE CHARACTERISTICS:  (A) LENGTH: DO base pairs  (B) TYPE: modeic acid  (C) STRANCEDUESS: single  (D) TOPOLOW: linear  (I M FEODLE TYPE: peptide  (SI OF, UENCE DESCRIPTION: SEQ ID NO:32:	
TATCTTGUCT CTUATCTCTC	2.0
(2) INFORMATION FOR SECONDESS:  (1) SEQUENCE THARACTERISTICS:  (A) DENOTH: .5 base pairs  (B) TYPE: nubleic abid  (C) STHANDESMESS: single  (I) TOPOLOGY: linear  (.i Molecule TYPE: peptide  (xi SEQUENCE ELOCRIPTION: SEQ ID NO:33:	
AGATOTOGGA GATGCCTTTA TCAGA	25
(2) INFORMATION FOR SPV ID NI:34:  (1) SEQUENCE THARACTERISTICS:  (A) LENGTH: 15 base pairs  (B) TYPE: modeled acid  (CTPANIEDNESS: single  (D) TOPOLOGY: linear  (Li) MOLECULE TYPE: peptide  (Mi) SEQUENCE DESCRIPTION: SEQ ID NO:34:	

COTTENTETO TERRETTES TTOTO	2.	
(2) INFORMATION FOR SEQ ID NO:35:  (.) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 28 base pairs  (B) FYPE: nucleic acid  (C) SIRANDEDNESS: single  (C) HOPOLOGY: linear  (.i MOLECULE TYPE: peptide  (xi DEQUENCE DESCRIPTION: SEQ ID NO:35:		
ACTGCTG TG (NISAAGACTC SGUIGTGA		28
(A) INFORMATION FOR SEQ ID NO.36:  (B) SEQUENCE CHARACTERISTICS:  (A) LENSTH: .8 base pairs  (B) TYPE: nucleid abid  (C) STRANDEDMESS: single  (S) TOFOLOGY: linear  (.i MOLECULE TYPE: peptide (xi CEQUENCE DESCRIPTION: SEQ ID NO.36:		
AUGGGGAAGA GODAGGECAG AAGTOTGT	28	
(D) INFORMATION FOR DEG IE NO:37:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: DE hase pairs  (B) TYPE: number add  (C, STRANDERNESS: single  (C) TOPOLOGY: linear  (ii: MOLECULE TYPE: peptide  (Mi: DEQUENCE DESCRIPTION: SEQ ID NO:37:		
TCACAAAGGA GGTGAGGTTC IAAGC		25
(.0) INFORMATION FOR SEQ ID NOTSB:  (1) SEQUENCE CHARACTERISTICS:  (A) DENSTH: OS base pairs  (B) TYPE: nucleic acid  (C) STRANDEDUESS: single  (C) IQFOLOGY: linear  (.i) MORROUME TYPE: peptide  (xi SEQUENCE DESCRIPTION: SEQ ID NOTSB:		
COTOTGOTGO TITTERONOT SWATE		25
(3) INFORMATION FOR SEPTID NO.39:  (A) SEPTEMBLE CHARACTERISTICS:  (A) LENGTH: All base pairs  (B) TYPE: nucleic acid  (C) STRANDEDMESS: single  (C) FOROLOGY: linear  (A) MOLECULE TYPE: peptide  (xi) SEQUENCE DESCRIPTION: SEQ ID NO.39:		
ACCCAGAACC AGAAGGCTCC G		21

(2) INFORMATION FOR SEQ ID NO:40:  (i) SEQUENCE CHARAGTERISTICS:  A) LENGTH: 21 base pairs  B) TYPE: nucleic agid  T) STRANDEDNESS: single  D) TOPOLOGY: tinear  (ii) MOLECULE TYPE: peptide  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:40:	
řeagřīgaac dulodoroud o	21
(2) INFORMATION FOR SEQ ID NO:41:  (1) SEQUENCE CHARACTERISTICS:  (A) LEUGTH: 25 base pairs  (E) TYPE: nucleic soid  (C) STRANDEDNESS: wingle  (I) TOPOLOGY: linear  (II MOLECULE TYPE: peptide  (XI SEQUENCE DESCRIPTION: SEQ ID NO:41:	
AAACCCC TT COATAGGRAACCC ET DOODAAA	25
(2) INFORMATION FOR SEQ ID NO:42:  1) SEQUENCE CHARACTERISTICS:  (A) MEMBER: 15 hase pairs  (B) TYPE: nucleic acid  (C, CTRAMIEDMESS: single  (D) TOFOMOSY: linear  i MOLECULE TYPE: pertude  (Mi CEQUENCE DESCRIPTION: SEQ ID NO:42:	
CTTCTGTTT ACCGACTCT FCACT	25
(2) INFORMATION FOR SEQ ID NO:43:  (1) SECUENCE CHARACTERISTICS:  (A) LENGTH: CO hase pairs  (B) TYPE: nubleic acid  (C) CTMANDEDNESS: single  (C) TOPOLOGY: linear  (II, HOLECULE TYPE: peptide  (xi, CEQUENCE DESCRIPTION: SEQ ID NO:43:	
CAAAGTAMAC CTGCCCAGAC	20
(2) INFORMATION PCF SEQ ID NO:44:  (L) SEQUENCE CHARACTERISTICS:  (A) DENGTH: 10 base pairs  (B) TYPE: nobleic acid  (C) STRAMMEDNESS: single  (C) TOPILOGY: linear  (i) MCLECULE TYPE: peptide  (mi) SEQUENCE DESCRIPTION: SEQ ID NO:44:	
GACCTCT TO TAATCAGCCC	20
(2) INFURMATION FOR SEQ ID NC:45: (i) SEQUENCE CHAFACTERISTICS:	

(A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STPANDEDNESS: single (D) TOPOLOGY: linear (LI) M RECULF TYPE: peptide (H) CENCENSF LESSRIPTION: SEQ ID NO:45:	
TGGGAAATGG CITGITATII	20
(2) INFORMATION FOR SEPTID No.46:  (1) SELUENCE CHARACTERISTICS:  ACTEMISTH: ACTIVE pairs  BY TYPE: nouler acid  (1) ATRANCETIESA: single  (1) TOPOLOGY: linear  (.i) MILECULE TYPE: pertide  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:46:	
CTTCATG WAA GOOGGOOMATT	20
(2) INFORMATION FOR SEQ ID 10:47:  (1) SEQUENCE CHARACTERISTICS:  (A) LEDGOE: 15 have pairs  (F) TYPE: nucleic acid  (C) CIFAMUELNESC: single  (D) TOPOLOGY: linear  (II ZOLECULE TYPE: peptide  (BI: SEQUENCE DESCRIPTION: SEQ ID NO:47:	
ACACGGGCAT COTTGACTCC ATCGG	25
(2) INFORMATION FOR SEQ ID NO:48:  (1) SEQUENCE CHARACTERICTICS:  A) LENGTH: LE bace pairs  (B) TYLE: nucleic acid  (C) STRANDELHESS: single  (II) TOROLOGY: Linear  (II) MOLECULE TYPE: peptide  (WI) SEQUENCE DESCRIPTION: SEQ ID NO:48:	
TOOGGAANCA GHTGGGTTYT BARGG	25
(2) INFORMATION FOR SECTION 1:49:  (1) SELVENCE (MARACTERIUTICS:  (A) LENGTH: .5 kake pairs  (b) TIFE: .2.lei: acid  (c) STEANCESCESS: single  (.i) ModeCule Type: petilde  (ni) SELUENCE DESCRIPTION: SEQ ID NO:49:	
GCAGAGATGA TORACCICAA IGACC	25
(2) INFORMATION FOR SEQ ID NO:50:  (1) SEQUENCE CHARASTERISTICS:  A) LENGTH: U5 bade pairs  (B) TYPE: nucleic acid	

(C) STRAMBEDNEGG: Single (D) 10POLOGY: linear	
(1), MODEÇ DE TYFÊ: paptide (2), CEÇCYMÊR LEGGYLETIĞN: CEÇ DI 19-15 :	
STITCAT WIT STANCITICING COUCH	2.3
(i) SEQUENCE CHASACTERISTICS:  (i) SEQUENCE CHASACTERISTICS:  (A) LENGTH: All base pairs  (B) TYPE: nucleic acid  (C) STPANDEDNESS: single  (D) TOFOLOGY: linear  (ii) MOLECULE TYPE: peptide  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:51:	
CTCTTTGTGA TGTCCTTCCT G	21
(2) INFORMATION FOR SEQ ID NO:52:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 21 base pairs  (E) TYPE: nucleic soid  (C) SIFANDEDNESS: single  (I) TOFOLOGY: linear  (ii) MOLECULE TYPE: peptide  (zi) SEQUENCE DESCRIPTION: SEQ ID NO:52:	
CTTAGGTICT GGGTAACCGT G	21
(2) INFORMATION FOR SEP ID NO:83:  (i) SEPTENCE CHARACTERISTICS:  (A) LENGTH: 25 base pairs  (i) TYPE: nucleic acid  (i) SIFANDEDNESS: single  (i) TOFOLOGY: linear  (ii) MOLECUIE TYPE: peptide  xi) SEPWENCE DESCRIPTION: SEQ ID NO:53:	
COATGTTOGT CAIGEGICTG AACCA	25
(2) INFORMATION FOR SEQ ID NO:54:  (i) SEQUENCE CHARACTERISTICS:  A) LENGTH: 25 base pairs  B; TYPE: nucleic acid  (C) STRANDEDNESS: single  D) TOPOLOGY: linear  (ii) MOLECULE TYPE: peptide  (21) SEQUENCE DESCRIPTION: SEQ 13 NO:54:	
GÇCAGTAGAS GCAGGGATGA TGTTC	25